

M 5.5, 22 km NW of Kultuk, Russia

Origin Time: 2020-09-21 18:04:57 UTC (Tue 02:04:57 local)

Location: 51.8548° N 103.4493° E Depth: 10.0 km

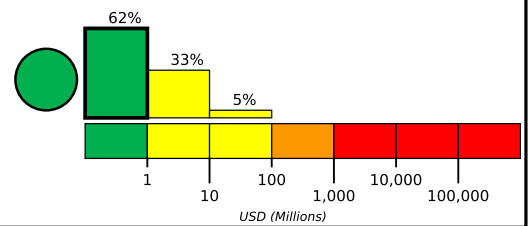
Created: 2 hours, 7 minutes after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

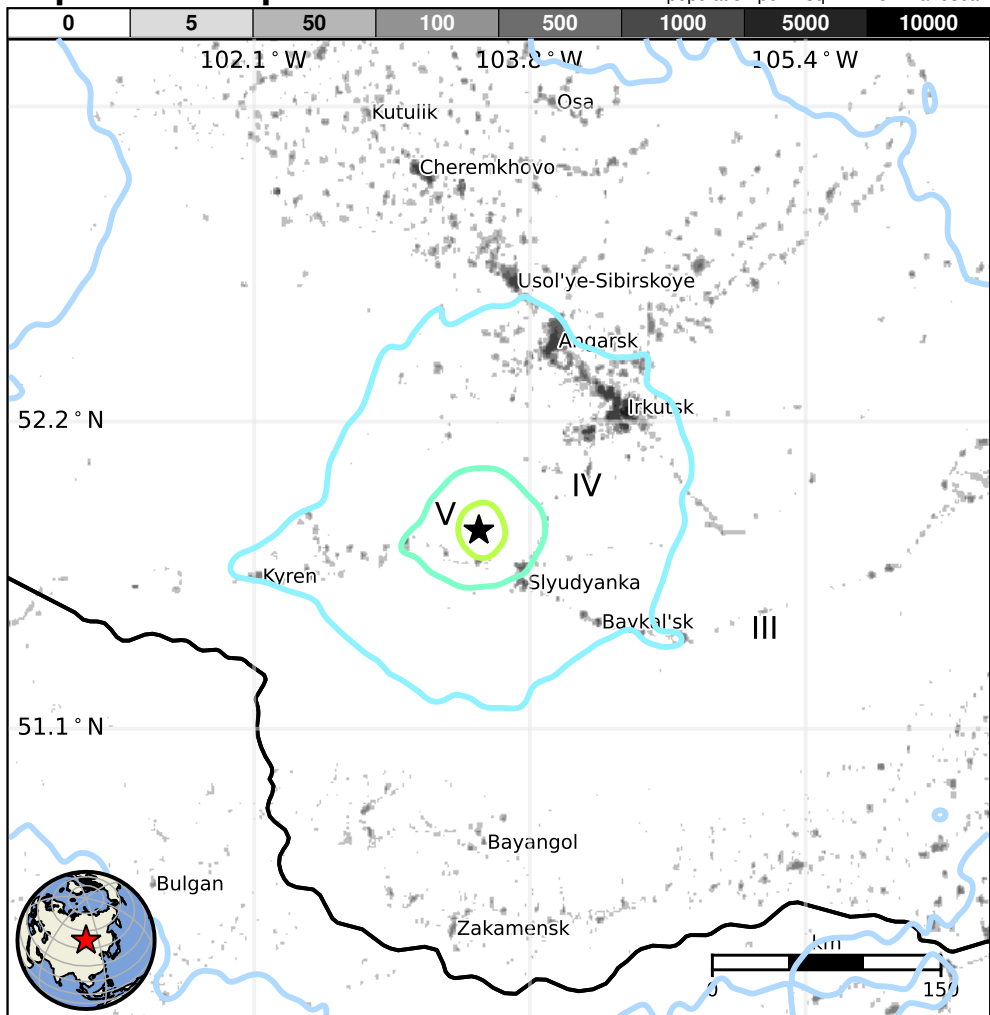


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	543k*	1,025k	14k	2k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-05-17	312	4.5	V(2k)	—
1999-02-25	107	5.9	VI(7k)	—
1989-05-13	233	5.6	VII(2k)	—

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Kultuk	4k
IV	Slyudyanka	19k
IV	Shamanka	2k
IV	Smolenshchina	2k
IV	Shelekhov	47k
IV	Baklashi	3k
IV	Irkutsk	587k
IV	Angarsk	243k
III	Usol'ye-Sibirskoye	86k
III	Cheremkhovo	57k
III	Suhbaatar	24k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000bzek#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000bzek